

Transportation Improvement Project

Mount Washington Road Egremont, MA

MassDOT Proj. # 608547

Town Meeting
June 8, 2021

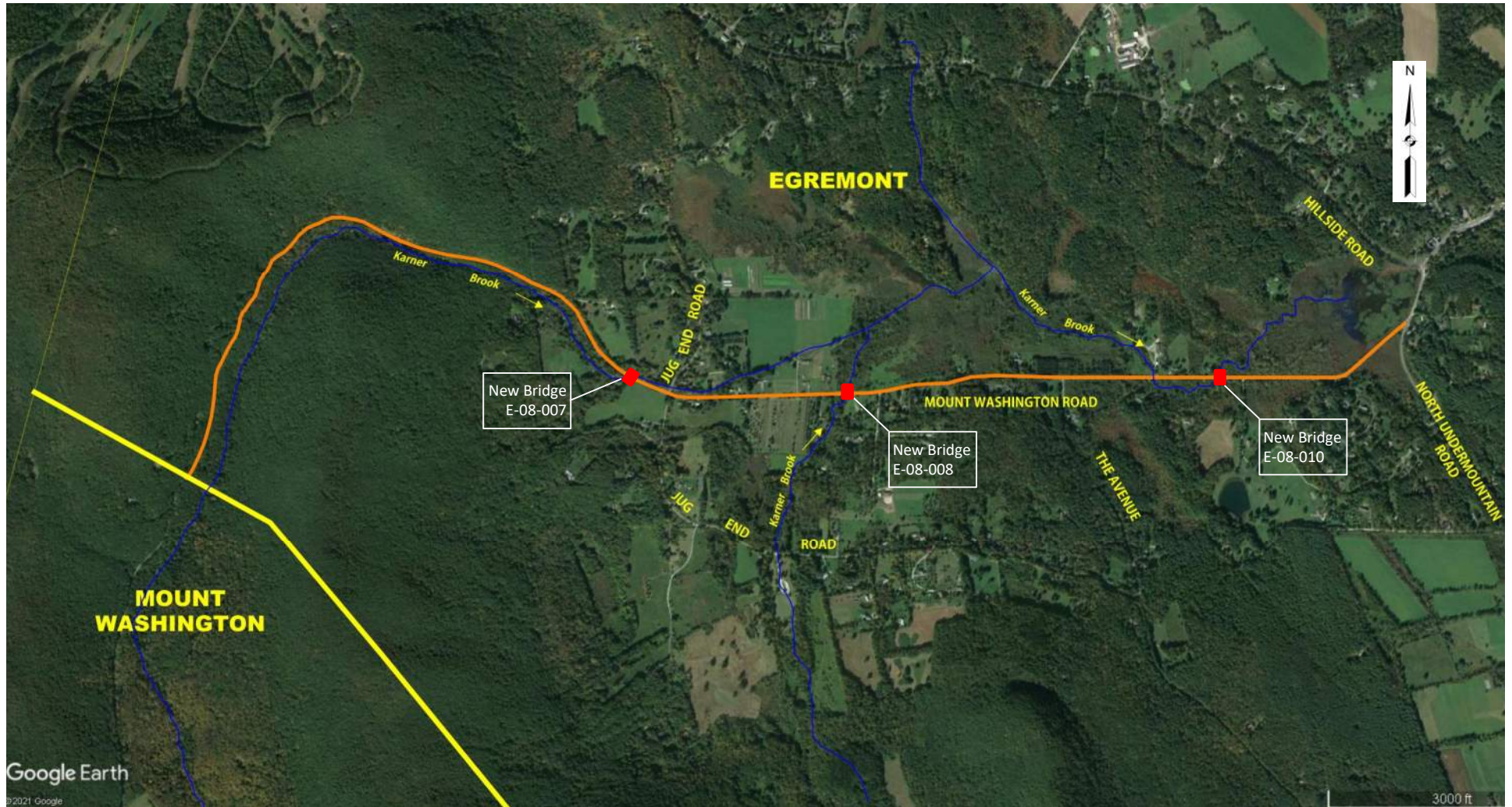
Google



Existing Conditions / Background

- Project length – 3.5 miles
 - Mount Washington Town line to Route 41
- Rural Major Collector
 - Average Daily Traffic
 - 732 vpd west of Jug End Road
 - 1274 vpd east of Jug End Road
 - 11 ft. lanes with no shoulders
 - Posted speed limit 25-40 mph
 - 1 of 4 roads to Mount Washington
 - Only access from Massachusetts
 - 1 of 6 Town roads eligible for the Transportation Improvement Program (TIP)

Project Overview



Why is the project needed?



- Poor / failing pavement
- Narrow roadway / lack of shoulders
- Poor drainage / erosion
- Safety (obsolete guardrail, steep drop offs, etc.)
- Bridges in fair to poor condition

This is not a maintenance job

Pavement shim & overlay = \$500,000 +



The poor pavement condition has caused potholes to develop requiring constant maintenance



The weak roadway base material leads to rutting of the pavement, trapping water, ice and snow

This is not a maintenance job
Pavement shim & overlay = \$500,000 +

Will not fix:

- × Failing pavement / poor subbase
 - × Narrow roadway
 - × Poor drainage / erosion
- × Safety (guardrail, steep drop offs, etc.)
 - × Bridges

➡ Life expectancy 5-10 yrs ←

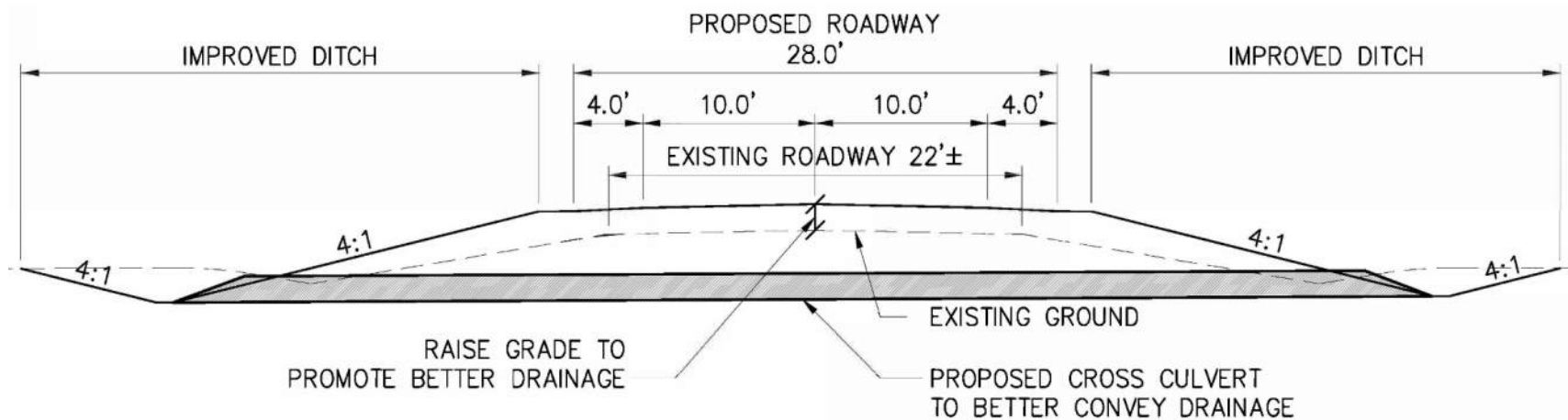
CHIA

Design Goals

- Pavement reconstruction
- Improve safety for all users (vehicles, pedestrians, bicyclists)
- Improve drainage
- Replace existing bridges
- Satisfy environmental and Right-of-Way considerations
- Maintain sensitivity to roadway context and character

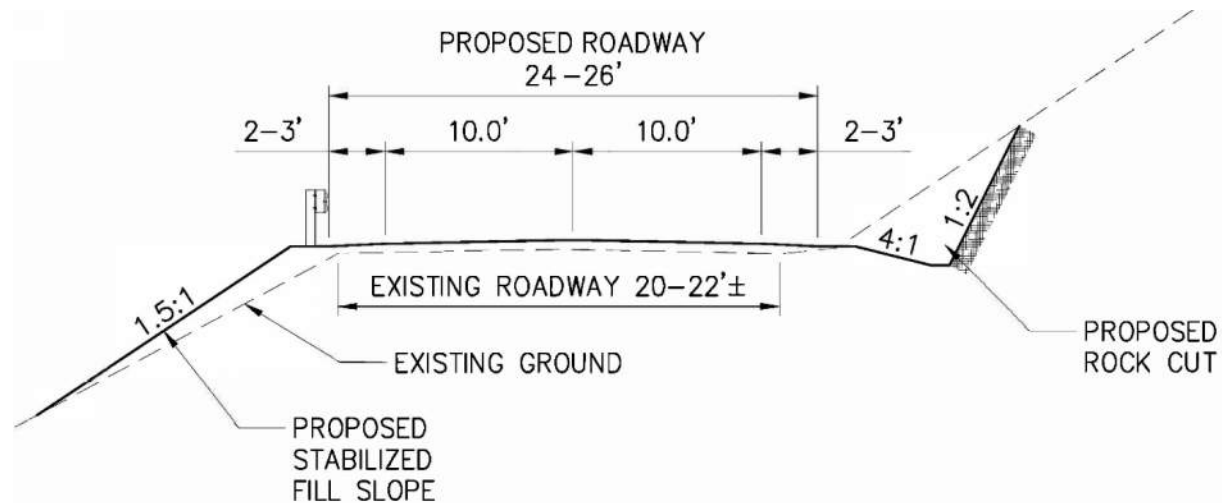
Drainage and Safety Improvements

- ✓ Improve ditches
- ✓ Elevate roadway where possible
- ✓ Direct runoff
- ✓ Provide shoulders
2 – 4 ft.



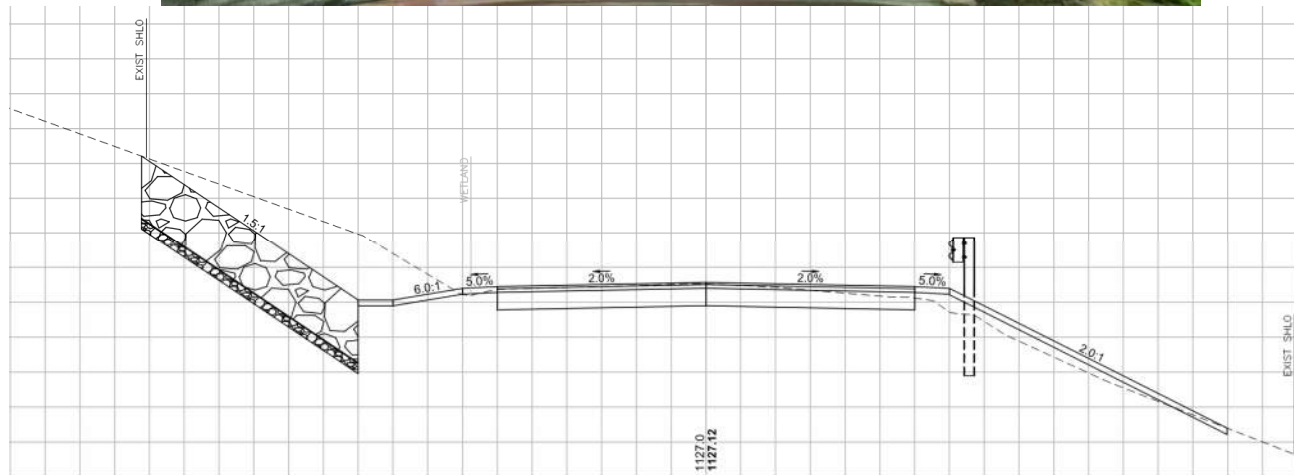
Safety Improvements

- Install / upgrade guardrail
- Widen road
- Increase sight distance
- Reduce erosion
- Improve Drainage



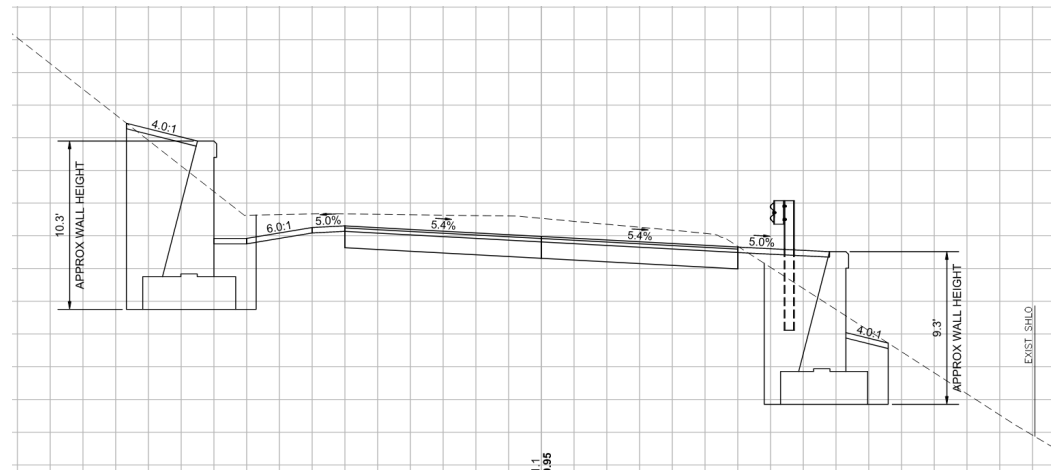
Minimize Impacts

Proposed Stone Slopes

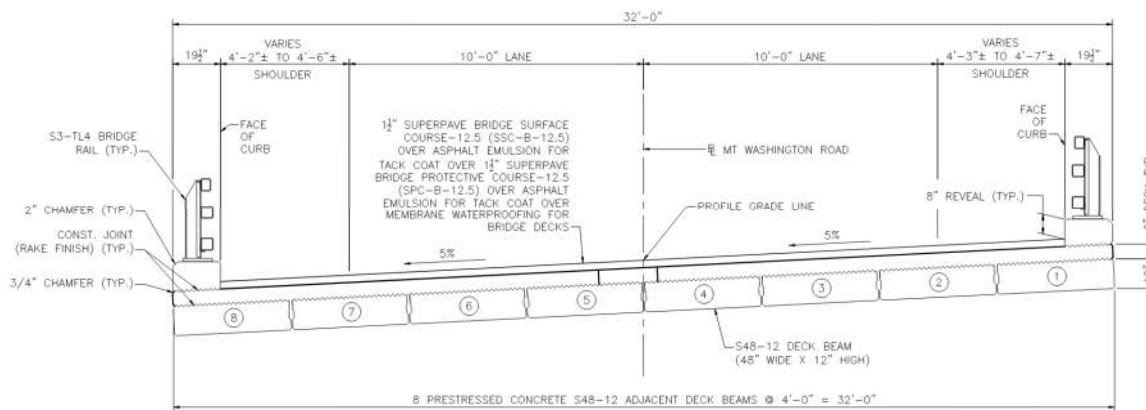
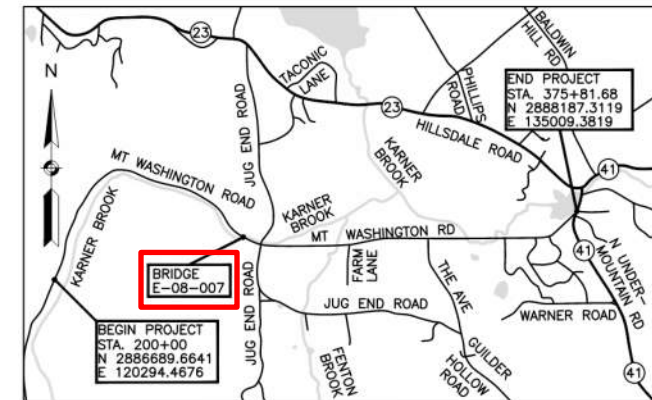
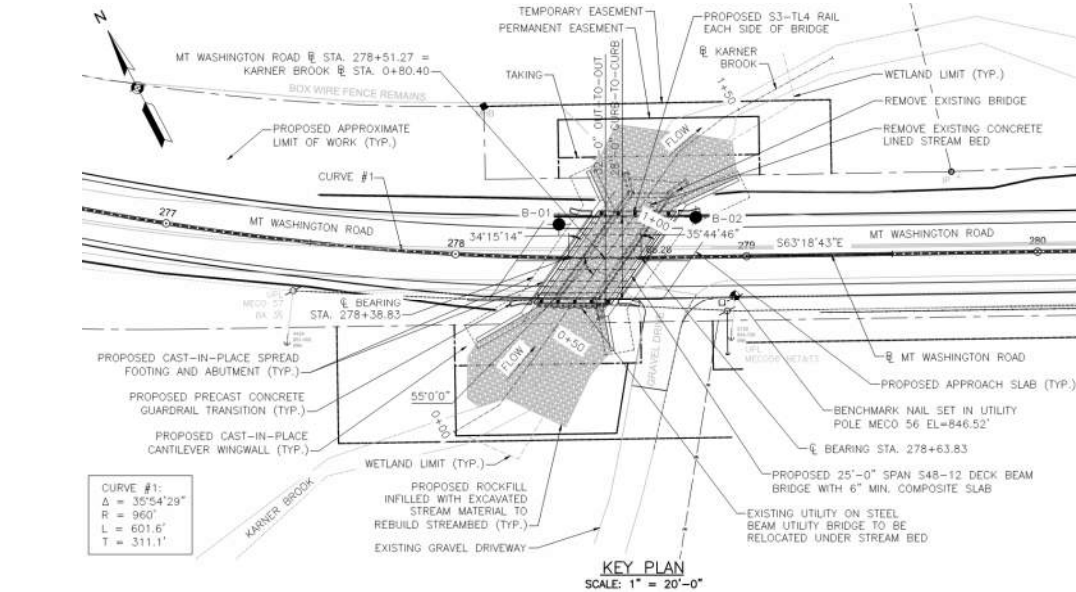


Minimize Impacts

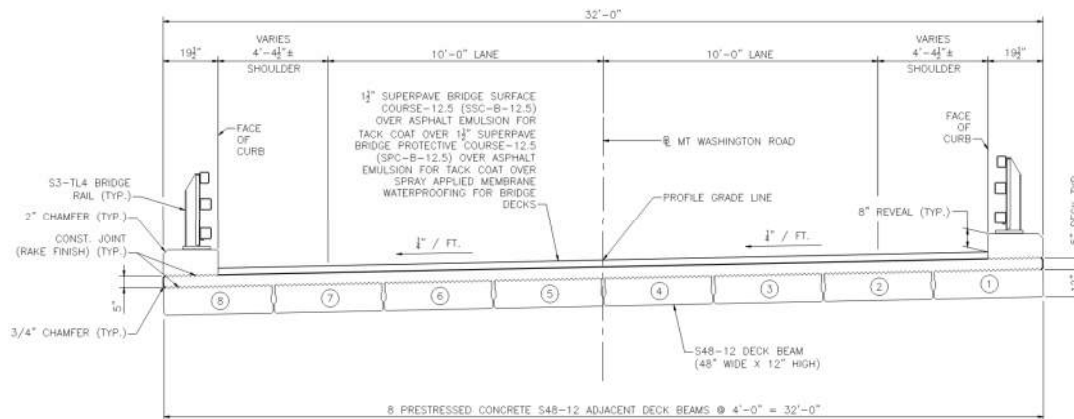
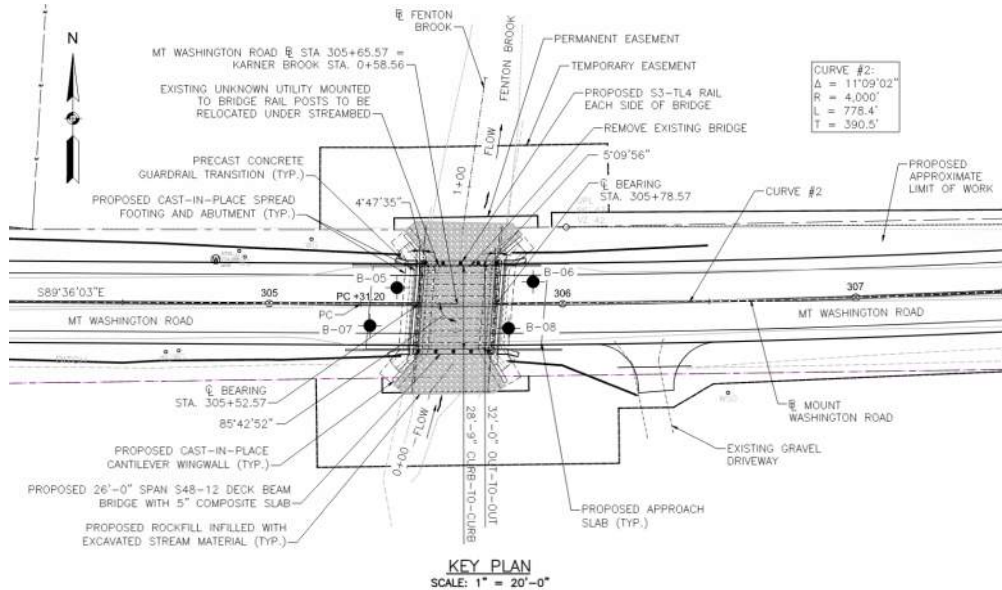
Proposed Retaining Walls



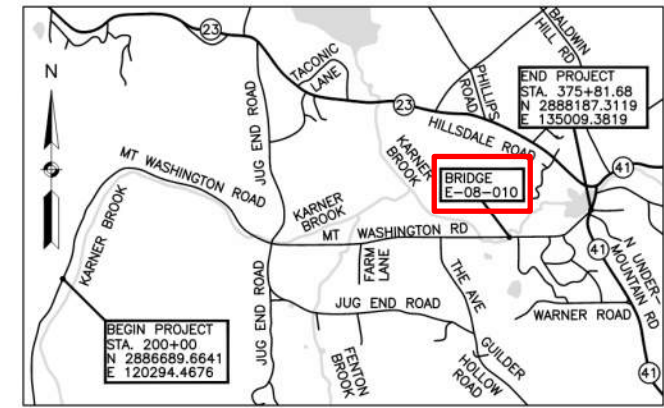
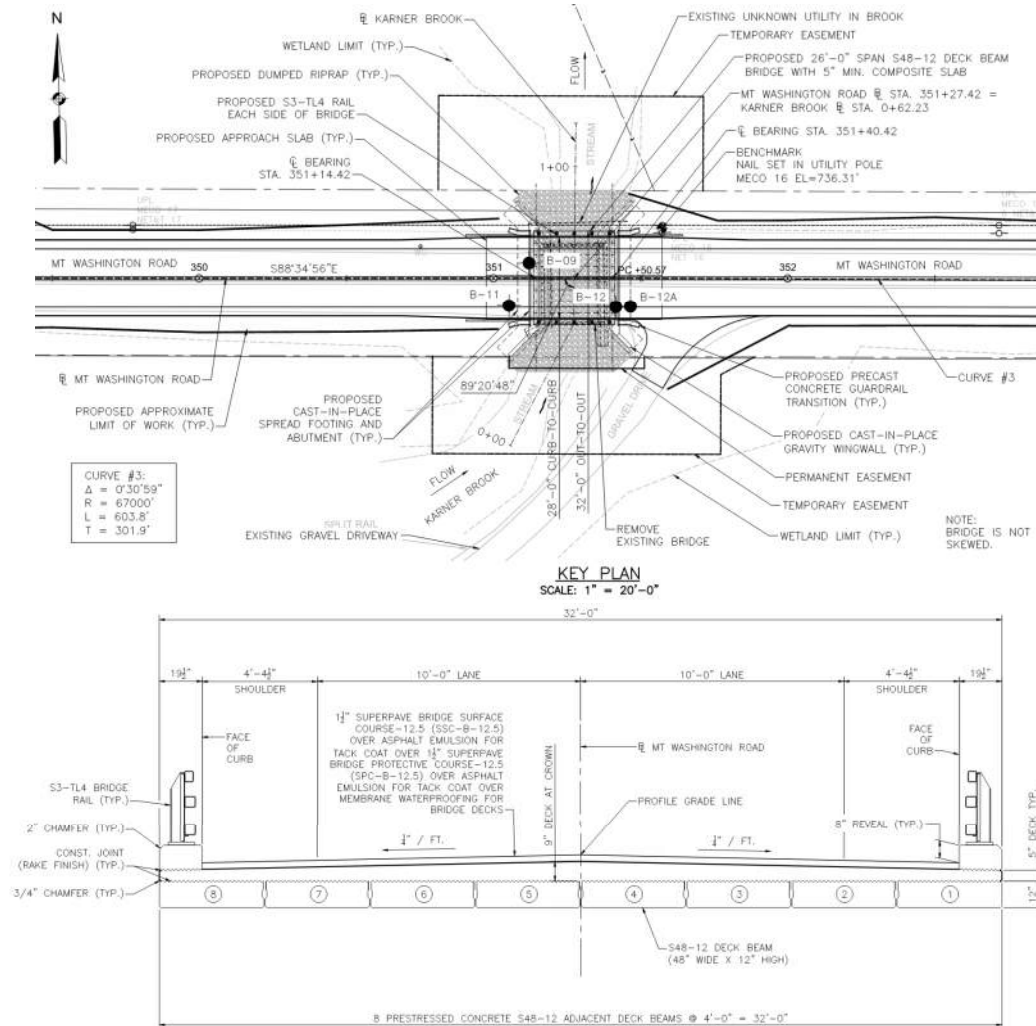
Bridge Improvements



Bridge Improvements



Bridge Improvements



Estimated Construction Cost

2020 = \$14,000,000

How is this funded?

TRANSPORTATION IMPROVEMENT PROGRAM (T.I.P.)

- Allocates Funding from Federal & State Government to Roadway Projects
- List of Projects Programmed by Year (5 Year List)
 - 2022 – 2027
- Regional Planning Organization – Determine Funding Year
- Town is Responsible for Design and ROW
- MassDOT Review & Construction Administration



Leverages Town \$\$\$



TRANSPORTATION IMPROVEMENT PROGRAM (T.I.P.)

- ✓ Town submitted Project Need Form (PNF)
- ✓ Project determined eligible for TIP
- ✓ Assigned MassDOT Project number
 - #608547
 - Needs to be programed / prioritized by MPO
 - Commitment by the Town for design and ROW

Preliminary Design Process

Review Project Planning Report/Existing Project Data



Define Project Outreach Process



Order Necessary Survey Data



Conduct Geotechnical Investigations



Develop Preliminary Pavement Design



Submit Design Exception Report



Develop Preliminary Road & Bridge Plans



Develop Preliminary Cost Estimate



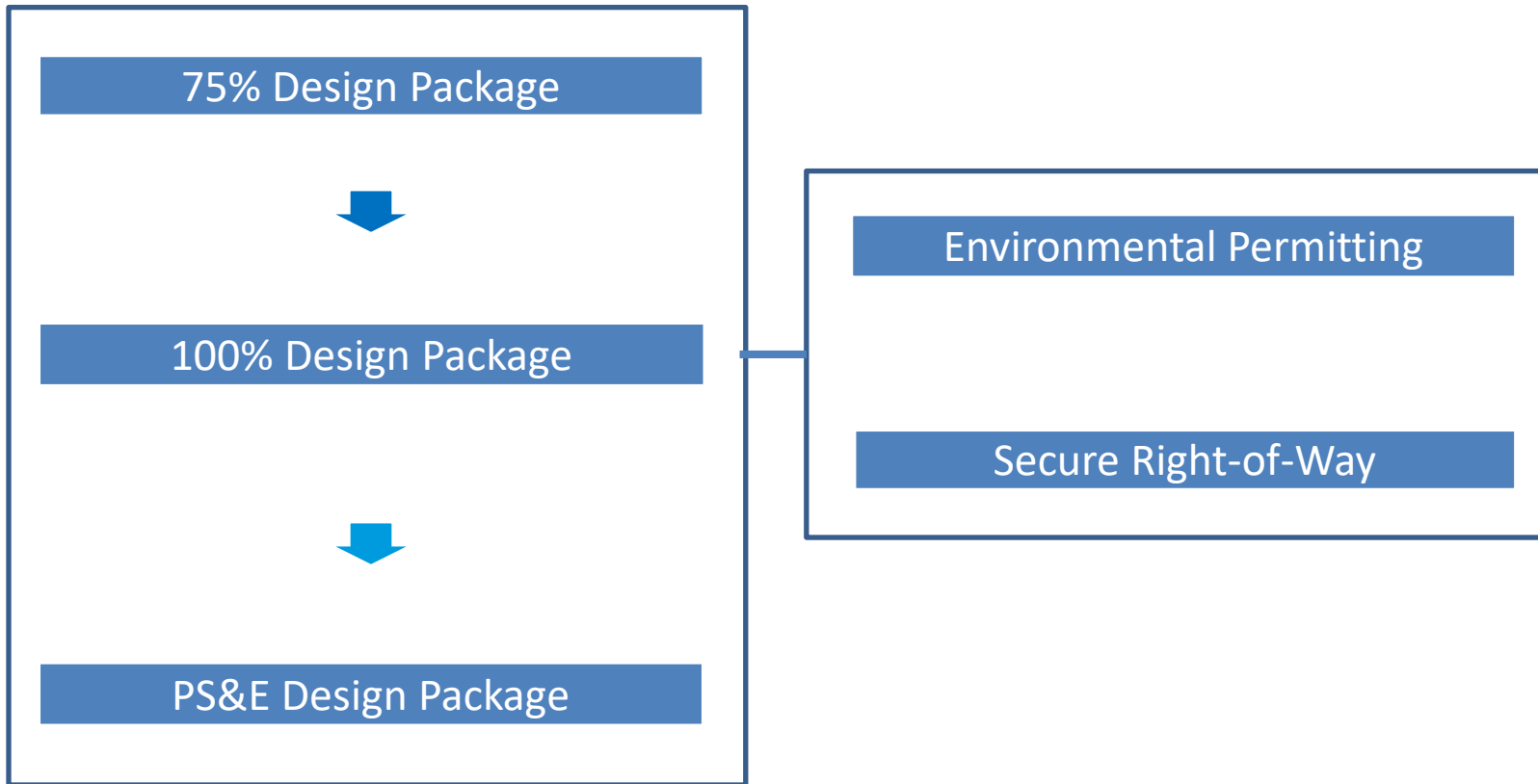
Develop Functional Design Report



Submit 25% Package



Final Design Process



Design Funding Schedule

25% Design Completed June-July 2021

75% Design Start Jan. / Feb. 2022

➡ Maintains Project Momentum ←

75% Design Full Appropriation

- \$325,000
- 2021 Town Meeting

Questions and Comments